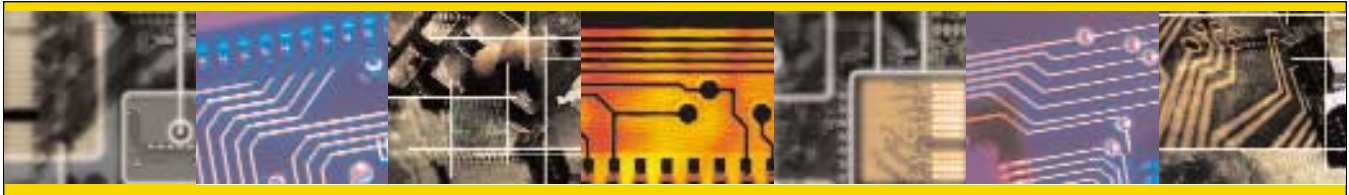


TRC-6

Welcome to American Arium's state-of-the-art family of in-circuit emulators (ICEs). The TRC-6 is just one of Arium's exceptional best-of-breed hardware-assisted debug solutions for BIOS, device drivers, OS kernels, and embedded applications. It was developed specifically for use with Intel P6 processors, including all Intel Celeron™, Pentium® II/III, and Pentium II/III Xeon™ processors. Designed to help shorten your debug cycle, this ICE features outstanding run control and superior trace functionality for exceptional visibility to and control of your code.

To improve your time to market, count on the TRC-6.



Key Features

Trace capability:

- 66/100 MHz bus acquisition
- 128K x 207 bits
- 31-bit, 10 ns timestamp provides time measure of events in trace
- BTM disassembly with cache enabled
- Combines requests and responses into bus cycles
- Displays in real time
- Links to source code display in Code view

Supported toolchains

- Wind River® Tornado® II C/C++
- Microsoft® Visual C/C++® V6/V7
- Borland® C
- CAD-UL C
- GNU C/C++
- Metaware® C

Breakpoint types:

- 4 debug register
- 64 software
- 6 hardware events
- 4 sequence levels
- 1 counter
- SMM entry/exit
- Reset
- BNC external trigger in/out
- Deferred cycles supported
- 16 external probes (optional)

Source code/symbolic debug:

- Boot-loadable OMF-386
- DWARF2
- Intel Textsym
- Codeview
- a.out/Stabs



TRC-6 with TGI-S2

Download formats:

- BIN
- OMF-386
- ELF32
- DOS EXE
- Intel Hex
- PE32/PE32+

Register types:

- 386
- System
- Control
- Debug
- MSRs
- Floating point
- MMX™ technology
- SSE

Connection options:

- Serial

Other important features:

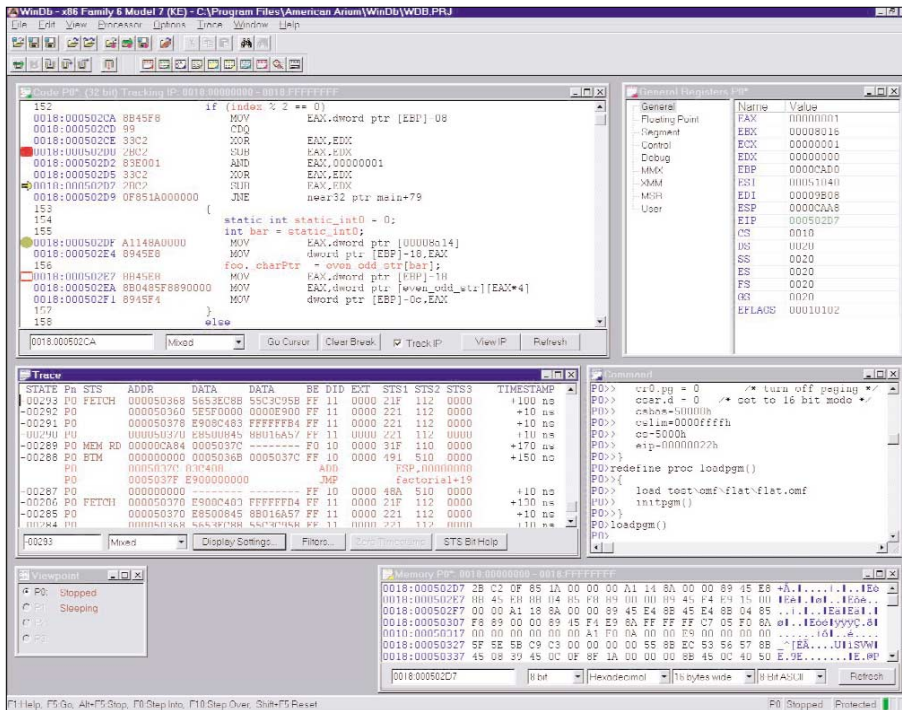
- Multi-processor support
- In-line assembly
- Translation support of all addresses
- Robust command language
- Self-diagnostic test suite

Key Benefits

- **Powerful** - Arium probes and emulators are the only debug tools that allow you to debug hardware and software directly out of system reset.
- **Reliable** - The TRC-6 is one of the most reliable ICEs on the market today.
- **Flexible** - The TRC-6 offers a number of firmware- and software-related and customizable options to provide you with the type of debug environment that best meets your needs.
- **Suitable** - The TRC-6, with its companion SourcePoint interface, provides a highly integrated, intuitive tool designed with your needs in mind.
- **Upgradable** - Many of Arium's base units can be used with newly announced Intel processors.
- **Supportable** - All Arium units produced for the IA-32 and IA-64 market are fully supported by our highly trained staff, including legacy products.



TRC-6



SourcePoint Interface

Included with the TRC-6 is American Arrium's SourcePoint debugging software. The debugger interface is part of the company's core technology, developed specifically for high-end Intel Architecture (IA) design and debug. The 32-bit application runs on Microsoft® Windows® 95/98/ME/NT/2000/XP.

SourcePoint is used with all American Arrium probes and emulators. Because we designed and developed the software specifically for the equipment, the tight integration of the hardware and software gives you one of the most robust debug interfaces on the market. Easy to install and use, SourcePoint has IA-32- and IA-64-specific features that cannot be found in any other debugger. Multi-processor control, complex breakpoints, source-level visibility, and other key features all add up to make SourcePoint the most powerful software interface in the industry today.

PC Host Requirements

- PC host (Intel Pentium processor or higher)
- Microsoft Windows 95B/98/ME/NT 4.0 (SP4 or later)/2000
- SVGA monitor (1024 x 768 or higher)
- 20 MB hard disk space, 16 MB RAM

Specifications

Environmental

32-90° F (0-31° C)
Maximum humidity - 85%

Communications

115 KBaud RS-232, LAN/WAN (optional)

Probe Loading

5 pf + 1.3 inches of trace
~60 Ohm impedance
~180 psec/inch

Dimensions (in/cm)

(H) 4.5/11.5
(W) 10.3/26.3
(L) 11.5/29.5

Ordering Information

Standard

Includes in-circuit emulator base unit, PBD-S2V personality module, appropriate cables, power supply, SourcePoint software, documentation, and one year service agreement.

Options

TGI/TAP adapters:

TGI-S1A

Intel Pentium II/III processor target interface adapter (Slot 1, 66/100 MHz FSB)

TGI-S2

Intel Pentium III Xeon processor target interface adapter (Slot 2, 66/100 MHz FSB)

TGI-SA

Intel Celeron, Pentium III processor target interface adapter (370-pin PGA, 66/100 MHz FSB)

TGI-MM

Intel Mobile Pentium II/III processor target interface adapter (190-pin mProbe, 66/100 MHz FSB only)

Other:

WDB-SRVR

SourcePoint Remote Software Module

PRB-16

16-channel external probe

STAR-1

Extended service agreement

